

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Joel G. Hassell, William L. Thomas, and  
Michael D. Ellis

Serial No. : Not Yet Assigned

Filed : Concurrently Herewith

For : INTERACTIVE PROGRAM GUIDE WITH CONTINUOUS  
DATA STREAM AND CLIENT-SERVER DATA  
SUPPLEMENTATION

Group Art Unit :

Examiner . :

Hon. Assistant Commissioner  
for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97,  
applicants wish to call the attention of the Examiner to the  
following documents:

U.S. Patents

George et al.	U.S. Pat. No. 4,355,415	(10/19/82)
Chard	U.S. Pat. No. 4,605,964	(8/12/86)
Harvey et al.	U.S. Pat. No. 4,694,490	(9/15/87)
Hayes	U.S. Pat. No. 4,718,107	(1/5/88)
Welsh	U.S. Pat. No. 4,857,999	(8/15/89)
Kinghorn	U.S. Pat. No. 4,908,707	(3/13/90)
Vogel	U.S. Pat. No. 4,930,158	(5/29/90)
Duffield et al.	U.S. Pat. No. 4,959,720	(9/25/90)
Young	U.S. Pat. No. 4,977,455	(12/11/90)
Ando	U.S. Pat. No. 5,109,279	(4/28/92)
Mankovitz	U.S. Pat. No. 5,134,719	(7/28/92)
Bradley et al.	U.S. Pat. No. 5,172,413	(12/15/92)
Bronfin et al.	U.S. Pat. No. 5,200,822	(4/6/93)



Vogel	U.S. Pat. No. 5,253,066	(10/12/93)
Harvey et al.	U.S. Pat. No. 5,335,277	(8/2/94)
Hoarty	U.S. Pat. No. 5,412,720	(5/2/95)
Blahut et al.	U.S. Pat. No. 5,442,389	(8/15/95)
Hoarty	U.S. Pat. No. 5,485,197	(1/16/96)
Dunn et al.	U.S. Pat. No. 5,517,257	(5/14/96)
Clanton, III et al.	U.S. Pat. No. 5,524,195	(6/4/96)
Blahut et al.	U.S. Pat. No. 5,539,449	(7/23/96)
Klosterman	U.S. Pat. No. 5,550,576	(8/27/96)
Baker et al.	U.S. Pat. No. 5,583,561	(12/10/96)
Wanderscheid et al.	U.S. Pat. No. 5,583,563	(12/10/96)
Lawler et al.	U.S. Pat. No. 5,585,838	(12/17/96)
Knee et al.	U.S. Pat. No. 5,589,892	(12/31/96)
Wanderscheid et al.	U.S. Pat. No. 5,602,582	(2/11/97)
Aristides et al.	U.S. Pat. No. 5,630,119	(5/13/97)
Dunn et al.	U.S. Pat. No. 5,648,824	(7/15/97)
Matthews, III	U.S. Pat. No. 5,654,748	(8/5/97)
Zereski, Jr. et al.	U.S. Pat. No. 5,654,886	(8/5/97)
Aristides et al.	U.S. Pat. No. 5,657,072	(8/12/97)
Thomas et al.	U.S. Pat. No. 5,666,645	(9/9/97)
Klosterman	U.S. Pat. No. 5,684,525	(11/4/97)
Harrison	U.S. Pat. No. 5,694,163	(12/2/97)
Janin et al.	U.S. Pat. No. 5,717,452	(2/10/98)
Clanton, III et al.	U.S. Pat. No. 5,745,710	(4/28/98)
Girard et al.	U.S. Pat. No. 5,751,282	(5/12/98)
Faust et al.	U.S. Pat. No. 5,752,159	(5/12/98)
Epperson et al.	U.S. Pat. No. 5,754,771	(5/19/98)
Ellis et al.	U.S. Pat. No. 5,760,821	(6/2/98)
Stumm	U.S. Pat. No. 5,768,528	(6/16/98)
Cathey et al.	U.S. Pat. No. 5,778,182	(7/7/98)
Sheehan	U.S. Pat. No. 5,781,226	(7/14/98)
Davis et al.	U.S. Pat. No. 5,796,952	(8/18/98)
Karlton et al.	U.S. Pat. No. 5,802,284	(9/1/98)
Lawler et al.	U.S. Pat. No. 5,805,763	(9/8/98)
Laursen et al.	U.S. Pat. No. 5,805,804	(9/8/98)
Rowe et al.	U.S. Pat. No. 5,812,123	(9/22/98)
Howe et al.	U.S. Pat. No. 5,818,438	(10/6/98)
Nelson	U.S. Pat. No. 5,819,019	(10/6/98)
Klosterman	U.S. Pat. No. 5,828,945	(10/27/98)

#### Foreign Patents

PCT Patent App. Publ. No.	WO 88/04507	(6/16/88)
PCT Patent App. Publ. No.	WO 97/13368	(4/10/97)
PCT Patent App. Publ. No.	WO 97/46943	(12/11/97)
PCT Patent App. Publ. No.	WO 97/47124	(12/11/97)
PCT Patent App. Publ. No.	WO 99/03267	(1/21/99)

### Other Documents

Hofmann, Neumann, Oberlies, and Schadwinkel, "Videotext Programmirt Videorecorder," Rundfunktechnische Mitteilungen, Nov.-Dec. 1982, pp. 254-57.\*

"Electronic Programme Guide (EPG); Protocol for a TV Guide using electronic data transmission" by European Telecommunication Standards Institute, May 1997, Valbonne, France, publication no. ETS 300 707.

"Digital Video Broadcasting (DVB); DVB specification for data broadcasting", European Telecommunications Standards Institute, Draft EN 301 192 V1.2.1 (1999-01).

"Windows 98 Feature Combines TV, Terminal and the Internet," New York Times, August 18, 1998.

These documents are listed on the accompanying Form PTO-1449 (submitted in duplicate) and copies are enclosed herewith.

Applicants also wish to bring to the attention of the Examiner the following U.S. provisional patent applications:

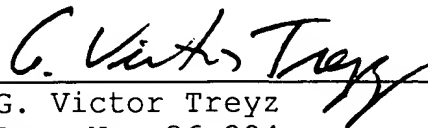
Knudson et al.	Serial No. 60/088,888, filed June 11, 1998
Ellis	Serial No. 60/093,862, filed July 23 ,1998

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\* Translation attached.

Consideration of the foregoing in relation to this  
patent application is respectfully requested.

Respectfully submitted,



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G. Victor Treyz  
Reg. No. 36,294  
Attorney for Applicants  
c/o FISH & NEAVE  
1251 Avenue of the Americas  
New York, New York 10020-1104  
Tel.: (212) 596-9000  
Fax: (212) 596-9090

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
UV-110

SERIAL NO.

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTS

## APPLICANTS

Joel G. Hassell, William L. Thomas, and  
Michael D. EllisFILING DATE  
Concurrently Herewith

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,355,415	10/19/82	George et al.	455	185	
	4,605,964	8/12/86	Chard	358	147	
	4,694,490	9/15/87	Harvey et al.	380	20	
	4,718,107	1/5/88	Hayes	455	4	
	4,857,999	8/15/89	Welsh	358	84	
	4,908,707	3/13/90	Kinghorn	358	147	
	4,930,158	5/29/90	Vogel	380	5	
	4,959,720	9/25/90	Duffield et al.	358	191.1	
	4,977,455	12/11/90	Young	358	142	
	5,109,279	4/28/92	Ando	358	147	
	5,134,719	7/28/92	Mankovitz	455	154.1	
	5,172,413	12/15/92	Bradley et al.	380	020	
	5,200,822	4/6/93	Bronfin et al.	358	142	
	5,253,066	10/12/93	Vogel	358	188	
	5,335,277	8/2/94	Harvey et al.	380	20	
	5,412,720	5/2/95	Hoarty	380	15	
	5,442,389	8/15/95	Blahut et al.	348	7	
	5,485,197	1/16/96	Hoarty	348	7	
	5,517,257	5/14/96	Dunn et al.	348	734	
	5,524,195	6/4/96	Clanton, III et al.	395	155	
	5,539,449	7/23/96	Blahut et al.	348	7	
	5,550,576	8/27/96	Klosterman	348	6	
	5,583,561	12/10/96	Baker et al.	348	7	
	5,583,563	12/10/96	Wanderscheid et al.	348	13	
	5,585,838	12/17/96	Lawler et al.	348	13	
	5,589,892	12/31/96	Knee et al.	348	731	
	5,602,582	2/11/97	Wanderscheid et al.	348	12	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,630,119	5/13/97	Aristides et al.	395	601	
	5,648,824	7/15/97	Dunn et al.	348	734	
	5,654,748	8/5/97	Matthews, III	348	13	
	5,654,886	8/5/97	Zereski, Jr. et al.	364	420	
	5,657,072	8/12/97	Aristides et al.	348	13	
	5,666,645	9/9/97	Thomas et al.	455	6.1	
	5,684,525	11/4/97	Klosterman	348	12	
	5,694,163	12/2/97	Harrison	348	13	
	5,717,452	2/10/98	Janin et al.	348	7	
	5,745,710	4/28/98	Clanton, III et al.	395	327	
	5,751,282	5/12/98	Girard et al.	345	327	
	5,752,159	5/12/98	Faust et al.	455	5.1	
	5,754,771	5/19/98	Epperson et al.	395	200.33	
	5,760,821	6/2/98	Ellis et al.	348	10	
	5,768,528	6/16/98	Stumm	395	200.61	
	5,778,182	7/7/98	Cathey et al.	395	200.49	
	5,781,226	7/14/98	Sheehan	348	6	
	5,796,952	8/18/98	Davis et al.	395	200.54	
	5,802,284	9/1/98	Karlton et al.	395	200.09	
	5,805,763	9/8/98	Lawler et al.	386	83	
	5,805,804	9/8/98	Laursen et al.	395	200.02	
	5,812,123	9/22/98	Rowe et al.	345	327	
	5,818,438	10/6/98	Howe et al.	345	327	
	5,819,019	10/6/98	Nelson	395	182.02	
	5,828,945	10/27/98	Klosterman	455	4.2	

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	APPLICANTS  Joel G. Hassell, William L. Thomas, and Michael D. Ellis	
	FILING DATE Concurrently Herewith	GROUP

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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